



change that doesn't  
cost the earth



**SCHAUENBURG**  
Systems

# FOAM AND WATER MIST EXTINGUISHERS



[www.schauenburg.co.za](http://www.schauenburg.co.za)



## ADVANTAGES OF FIREFIGHTING MIST

### HIGH FIREFIGHTING EFFECTIVENESS

Only about 5% of water directed at the fire is used to effectively suppress the fire. The remaining 95% floods the surroundings, causing post-fire damages. I-CAT Foam extinguishers create a mist that evaporates from surfaces at 100%, depending on the dispersion degree.

### EXTRA SAFETY:

The mist creates an ideal barrier for thermal radiation.

### POST-FIRE DAMAGE REDUCTION:

About 80% of damages resulting from a fire are not caused directly by the flames, but rather by the extinguishing action:

- Flooding of equipment with water
- Contamination with foam or active chemical extinguishing powder.

I-CAT's mist technology has a high degree of dispersion which fully evaporates in the fire environment and causes minimal to no damage to equipment.

### LOW WATER USAGE WITH MIST OF <100 MICRONS:

The extinguishing unit generates mist with droplet sizes of between 50 and 100 microns. With droplet sizes below 100 microns, T-Rotor Technology uses exponentially less water than conventional water jets.

### SAFE FOR PEOPLE AND THE ENVIRONMENT:

When mist technology is used, people and the environment do not come into contact with any chemically active substances except a mist made of water or inorganic salt solutions. This allows the use of T-Rotor Technology system on or near people without any negative medical effects.

## 'SAFE AND ENVIRONMENTALLY FRIENDLY'

### SECURE ENVIRONMENT FOR FIREFIGHTERS AND VICTIMS OF FIRE

The ideal screening characteristics of the mist technology are beneficial not only for firefighters, but also for other people involved in a fire as the mist protects against flames, smoke and thermal radiation.

T-Rotor Technology protects against asphyxiation, as the mist contains oxygen. Smoke very often poses a much bigger threat to people than the fire itself especially in case of fires inside buildings.

T-Rotor Technology can extinguish fire on people since the mist is an ideal neutralizing extinguishing agent, that causes no irritation, or burns.



## 'CONVENIENT OPTION OF FOAM OR WATER MIST EXTINGUISHERS'



### I-CAT IS AN AUTHORIZED T-ROTOR TECHNOLOGY DISTRIBUTOR AND PROVIDE CLIENTS WITH THE FOLLOWING SERVICES:

- Risk assessments
- Quotations
- Installations
- Service maintenance and support

### THE UNIQUE SUPPRESSION CAPABILITIES OF THE T-ROTOR TECHNOLOGY:

- Flammable Solid substances (eg. paper and wood)
- Plastics (eg. polystyrene PS and polypropylene PP)
- Light oil fractions (eg. heptane)
- Medium oil fractions (eg. heating oil)
- Heavy oil fractions (eg. mazute)
- Polar liquids (eg. ethanol)
- Edible oil (eg. rapeseed oil)

### APPROVED DISTRIBUTOR DETAILS



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